



How to Dewalt Rotary Drill D25104 type 2

I have a broken drill , we will try to find out what the problem is, You will see how we take this drill apart en check out the components and parts.

Written By: Kevin D



INTRODUCTION

I have a broken drill , we will try to find out what the problem is, You will see how we take this drill apart en check out the components and parts.



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
 - [Flathead Screwdriver](#) (1)
 - [T9 Torx Screwdriver](#) (1)
 - [Multimeter](#) (1)
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Step 1 — checking power



- first of all we will check the power.
- plug your drill into a power outlet and try it.
- If the machine wants to start but immediately shuts down , there is a chance the brushes needs to be replaced.
- If no power comes up (like mine) you have to check the power cord first

Step 2 — removing plastic handframe



- remove the 2 flathead/ torx screws holding the plastic frame at the bottom.
- remove the flathead/torx screw at the upper side of the frame.
- slide the frame to the right.

Step 3 — checking power cord



- check the brown and blue wire with a multimeter.
- put the red probe from the multimeter on the brown cable and (copper head) and the black probe of the multimeter on the blue wire (copper head)
- if you measure 230 V it should be ok (in Europe it is 230 V.. i think in the US it would be 110V ...)

⚠ be sure you put the multimeter in AC V mode and not in DC.

Step 4 — removing power cable.



- Remove power cable by removing the 2 flathead/torx screws.
- be gently and careful with the condensator. (yellow "briwk" with the 2 black small wires.

Step 5 — remove cable



- remove the 2 small screws holding the brown and blue powerwires.

Step 6



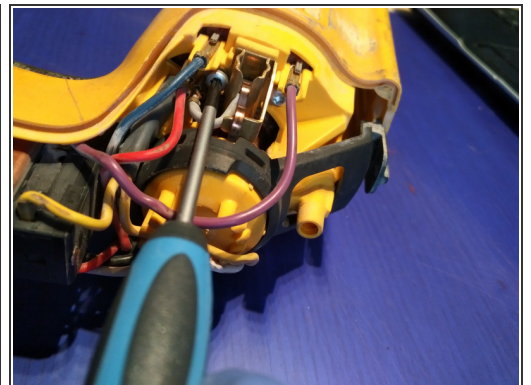
- check for bad connections. (in this case you will see one bad connection from the condensor)

Step 7



- pull out the switch to check the connections and measure out the switch.
 - how more powerfull the motor , the more likely a bad switch is.
- ⓘ when reassemble the switch/machine : under the switch there is a plastic pin , that has to fit in a gap from the "forward, reverse) switch

Step 8 — checking and renewing brushes



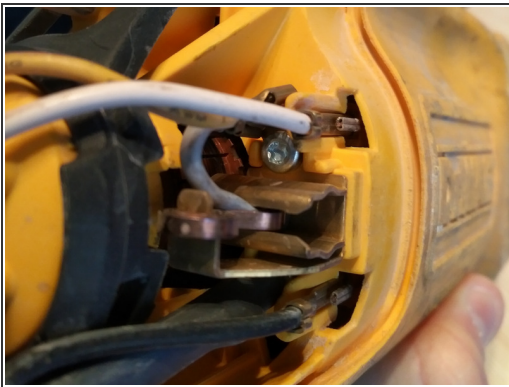
- remove the 2 swal torx (t9) screws , holding the brush head.

Step 9 — checking and renewing brushes



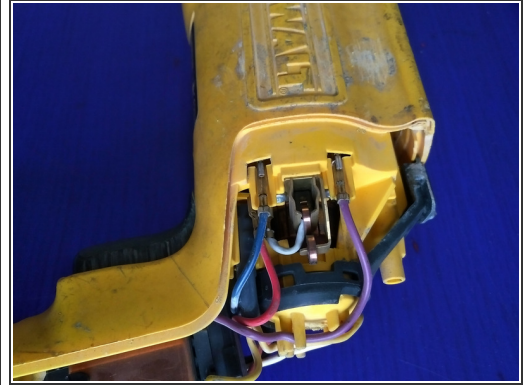
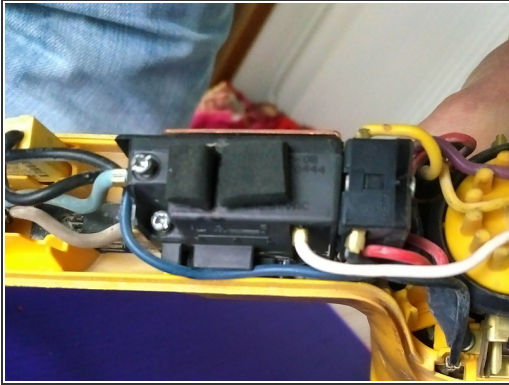
- when replacing : push the brush in the head ; click the wire on the right place and put it back. sometimes you will need to push the brush in place.

Step 10 — checking and renewing brush 2nd



- remove 1 torx ('t9) screw to remove the brush head.

Step 11 — detailed view



- Insert wisdom here.

To reassemble your device, follow these instructions in reverse order.

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